

Industrial automation systems and integration — Main element — Part XXX: Part title

Systèmes d'automatisation industrielle et intégration — Élément central — Partie XXX : Titre de la partie

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 10303 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 10303-XXX was prepared by Technical Committee ISO/TC 184, *Industrial automation systems and integration*, Subcommittee SC 4, *Industrial data*.

This second/third/... edition cancels and replaces the first/second/... edition (ISO 10303-XXX:199X), [clause(s) / subclause(s) / table(s) / figure(s) / annex(es)] of which [has / have] been technically revised. *(Complete or delete this paragraph as appropriate.)*

This International Standard is organized as a series of parts, each published separately. The structure of this International Standard is described in ISO 10303-1.

Each part of this International Standard is a member of one of the following series: description methods, implementation methods, conformance testing methodology and framework, integrated generic resources, integrated application resources, application protocols, abstract test suites, application interpreted constructs, and application modules. This part is a member of the *<provide series name>* series.

If the part is a member of either of the integrated resources series, add the following sentence to the end of the preceding paragraph: "The integrated generic resources and the integrated application resources specify a single conceptual product data model."

A complete list of parts of ISO 10303 is available from the Internet:

[<http://www.nist.gov/sc4/editing/step/titles/>](http://www.nist.gov/sc4/editing/step/titles/)

Annex A forms a normative part of this part of ISO 10303. Annex B is for information only.

Introduction

A paragraph.

*The **introduction** is an optional preliminary element used, if required, to give specific information or commentary about the technical content of the standard, and about the reasons prompting its preparation. It shall not contain requirements.*

The introduction shall not be numbered unless there is a need to create numbered subdivisions. In this case, it shall be numbered 0 with subclauses being numbered 0.1, 0.2, etc. Any numbered figure, table, displayed formula or footnote shall be numbered normally beginning with 1.

Industrial automation systems and integration — Main element — Part XXX: Part title

1 Scope

A paragraph.

The Scope clause shall appear at the beginning of each standard and define without ambiguity the subject of the standard and the aspect(s) covered, thereby indicating the limits of applicability of the standard or particular parts of it. It shall not contain requirements. The scope shall be succinct so that it can be used as a summary for bibliographic purposes.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 10303. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 10303 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO ab-c:199x, *General title of series of parts — Part c: Title of part.*

ISO xyz (all parts), *General title of the series of parts.*

*The **Normative references** clause is an optional element that gives a list of the normative documents to which reference is made in the standard in such a way as to make them indispensable for the application of the standard. The normative references shall not include documents that are not publicly available, documents to which only informative reference is made or documents which have merely served as references in the preparation of the standard. Such documents may be listed in a bibliography.*

Normative references shall be either dated (i.e. to a specific edition) or undated.

3 Terms and definitions

For the purposes of this part of ISO 10303, the following terms and definitions apply.

Or: "... the terms and definitions given in and the following apply".

3.1

term

text of the definition

3.2

term

text of the definition

*The **Terms and definitions** clause is an optional element giving definitions necessary for the understanding of certain terms used in the standard. Rules for the drafting and presentation of terms and definitions are given in the ISO/IEC Directives, Part 3, 1997^[1], annex C, and in ISO 10241^[2].*

4 Symbols (and abbreviated terms)

A paragraph.

*The **Symbols (and abbreviated terms)** clause is an optional element giving a list of the symbols and abbreviated terms necessary for the understanding of the standard.*

5 Clause title

5.1 Subclause title

5.1.1 Subclause title

A paragraph.

A paragraph.

5.1.2 Subclause title

A paragraph.

NOTE Note integrated in the text.

***Notes** integrated in the text of a standard shall only be used for giving additional information intended to assist the understanding or use of the standard and shall not contain provisions to which it is necessary to conform in order to be able to claim compliance with the standard.*

5.2 Subclause title

A paragraph.

EXAMPLE Example integrated in the text.

***Examples** integrated in the text of a standard shall only be used for giving additional information intended to assist the understanding or use of the standard and shall not contain provisions to which it is necessary to conform in order to be able to claim compliance with the standard.*

6 Clause title

6.1 A level 1 subclause without a title.

6.1.1 A level 2 subclause without a title.

6.1.1.1 A level 3 subclause without a title.

6.1.1.1.1 A level 4 subclause without a title.

6.1.1.1.2 A level 4 subclause without a title.

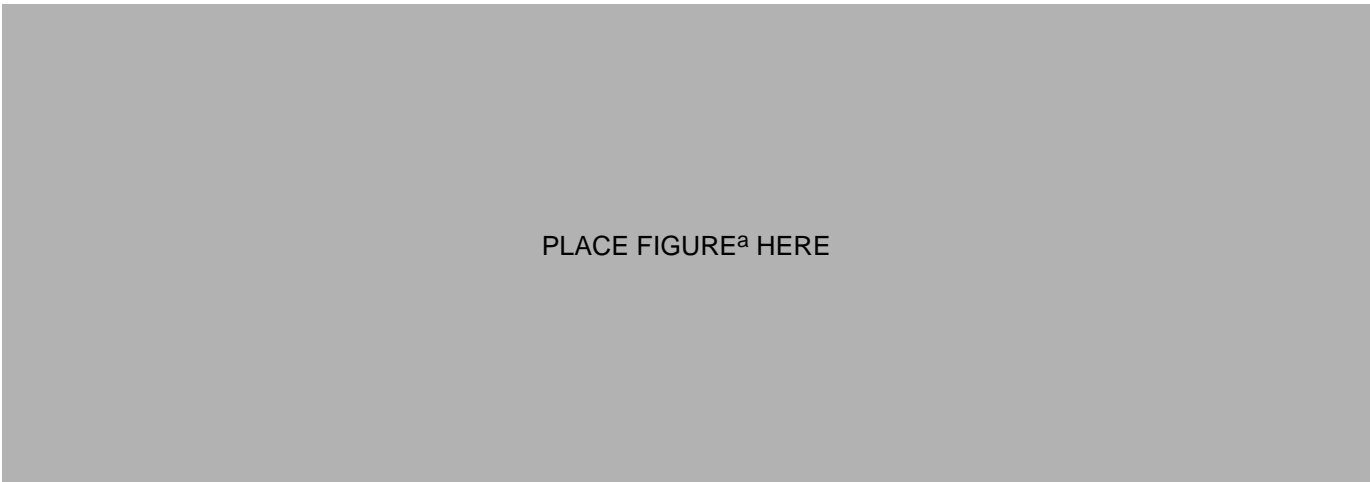
6.1.1.2 A level 3 subclause without a title.

6.1.2 A level 2 subclause without a title.

6.2 A level 1 subclause without a title.

A paragraph with an ordered list:

- a) first list item at level 1 xxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxx xxxxxxxx xxxxxx
xxxxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxx;
- b) second list item at level 1;
 - 1) first list item at level 2;
 - 2) second list item at level 2:
 - first list item at level 3;
 - second list item at level 3 xxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxx xxxxxxxx
xxxxxx xxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxx;
 - third list item at level 3.



A paragraph containing a requirement.

NOTE 1 Figure note.

NOTE 2 Figure note.

^a Figure footnote.

Figure 1 — Figure title

A paragraph.

A paragraph.

Table 1 — Table title

Title of column 1 ^a	Title of column 2
A paragraph containing a requirement. NOTE 1 Table note. NOTE 2 Table note.	
^a Table footnote.	

A paragraph.

A paragraph.

Annex A

(normative)

Annex title

A.1 General

Normative annexes are integral parts of the standard. Their presence is optional. An annex's normative status (as opposed to informative) shall be made clear by the way in which it is referred to in the text, by a statement to this effect in the foreword and by an indication in the table of contents and under the heading of the annex.

A.2 Clause

A.2.1 Subclause title

A.2.1.1 Subclause title

A paragraph.

A.2.1.1.1 Subclause title

A paragraph.

A.2.1.1.2 Subclause title

A paragraph.

A.2.1.2 Subclause title

A paragraph.

A.2.2 Subclause title

A.2.2.1 Subclause title

A paragraph.

A.2.2.2 Subclause title

A paragraph.

A.3 Clause title

A.3.1 A level 1 subclause without a title.

A.3.1.1 A level 2 subclause without a title.

A.3.1.2 A level 2 subclause without a title.

A.3.2 A level 1 subclause without a title.

Annex B (informative)

Annex title

Informative annexes give additional information intended to assist the understanding or use of the standard and shall not contain provisions to which it is necessary to conform in order to be able to claim compliance with the standard. Their presence is optional. An annex's informative status (as opposed to normative) shall be made clear by the way in which it is referred to in the text, by a statement to this effect in the foreword and by an indication in the table of contents and under the heading of the annex.

Bibliography

- [1] ISO/IEC Directives, Part 3, *Rules for the structure and drafting of International Standards*, 1997.
- [2] ISO 10241, *International terminology standards — Preparation and layout*.
- [3] ISO 31 (all parts), *Quantities and units*.
- [4] IEC 60027 (all parts), *Letter symbols to be used in electrical technology*.
- [5] ISO 1000, *SI units and recommendations for the use of their multiples and of certain other units*.
- [6] ISO 690, *Documentation — Bibliographic references — Content, form and structure*.

A **Bibliography**, if present, shall appear after the last annex. The drafting rules set out in ISO 690^[6] shall be followed.

The bibliography may include

- documents that are not publicly available,
- documents to which only informative reference is made, and
- documents which have merely served as references in the preparation of the standard.